

In the Claims:

1. (Previously Presented) A filter system for use in a reactor, the filter system comprising a filter to separate fluid from a mixture of particulate matter and fluid, and having a filter housing adapted to connect to the reactor and adapted to receive the filter, wherein the filter is retractable into the housing.
2. (Previously Presented) The filter system of claim 1, wherein the filter is retractable through an aperture in the reactor.
3. (Previously Presented) The filter system of claim 1, wherein the housing is detachably connected to the aperture.
4. (Previously Presented) The filter system of claim 1, wherein the filter has an export conduit to deliver filtrate from the filter.
5. (Previously Presented) The filter system of claim 4, wherein the filter is retracted into the housing by the export conduit.
6. (Previously Presented) The filter system of claim 1, wherein the housing has an outlet for removing the filter therefrom.
7. (Previously Presented) The filter system of claim 1, wherein the housing has at least one sealing device to isolate the housing from the reactor.
8. (Previously Presented) The filter system of claim 1, wherein the filter has a cap adapted to prevent settling of fines on the filter.

Claims 9-11 (Canceled).

12. (Previously Presented) A reactor comprising:
  - a shell; and
  - a filter system comprising a filter and a filter housing adapted to connect to the shell wherein the filter can be retracted from the shell into the housing through an aperture.

Claim 13 (Canceled).